J. TOXICOL.-CLIN. TOXICOL., 21(4&5), 561-562 (1983-84)

AUTHOR INDEX TO VOLUME 21

A

Anderson, P. C., 451
Angle, C. R., 321

B

Bailey, D. N., 399
Biddle, G. N., 169
Blackwell, S. J., 359

C

Coulter, A., 373
Covacevich, J., 373
Curry, S. C., 417, 503

D

Decker, W. J., 359
Delos, C., 39
Dworacek, B., 387
Dzoljic, M. R., 387

E

Ekins, B. R., 321

F

Falco, J., 27
Forshan, V. R., 359
Frazier, T., 201

G

Gough, M., 211
Grant, K. J., 409
Green, V. A., 491

H

Hanson, E. A., 181
Hedden, K. F., 65
Hoar, S., 9

J

Jones, J. K., 237

K

Kannisto, H., 333
Kelner, M. J., 399
Kennedy, D. L., 237
Kizer, K. W., 527
Kunkel, D. B., 417, 503, 557

L

Lankinen, S., 333
Layton, T. R., 409
Lewis, S. R., 359
Lynett, J. E., 343

M

Mancusi-Ugaro, H. R., Jr., 359
Marks, D. H., 343
McIntire, M. S., 321
Mofenson, H., 321
Morrison, J., 373
Murphy, R. S., 299

N

Neuvonen, P. J., 333
Northey, W. T., 417

O

Oosthoek, H., 387
Ott, W. R., 97
Ottinger, W. E., 343

P

Patrissi, G. A., 343
Pearn, J., 373

R

Rauber, A., 321, 473
Riordan, C., 1
Rosenberg, H. M., 265
Rupreht, J., 387
Ryan, P. J., 417, 487, 503

S

Schaerdel, A. D., 343
Scherz, R., 321
Siegel, C. J., 491
Slimak, M., 39
Stansell, M. J., 343

T

Tanner, C., 373
Ten Eyck, R. P., 343

V

Valkenburg, M., 387
Vance, M. V., 417, 503
Van de Carr, X. W., 253
Villella, E. R., 409

W

Wagstaff, D. J., 151
Wasserman, G. S., 451, 557
Wilson, R., 289

Y

Yetley, E. A., 181

Z

Ziegler, R. G., 129

J. TOXICOL.-CLIN. TOXICOL., 21(4&5), 563-567 (1983-84)

SUBJECT INDEX TO VOLUME 21

A

Activated charcoal, *in vitro* adsorption and *in vivo* reduction of nefopam hydrochloride toxicity by, 333-342
Activity patterns, computer generated, use of in determination of exposure to air pollution, 97-128
Adsorption, *in vitro*, of nefopam hydrochloride by activated charcoal, 333-342
Air pollution, determination of exposure to using computer generated activity patterns, 97-128
Ambient air, use of exposure assessment in evaluation of at EPA, 27-38
Antidote, for cyanide poisoning, use of stroma-free methemoglobin as, 343-358
Ants. *See* Hymenoptera
Asbestos, epidemiological research in evaluating effects of exposure to, 211-235

B

Bees. *See* Hymenoptera
Beetle, envenomation by, 491-502
BF. *See* Bureau of Foods (BF)
Black widow spider. *See* Latrodectus species
Blood concentrations, following ethchlorvynol ingestion, 399-408
Brown recluse spider. *See* Loxosceles
Bureau of Foods (BF) use of exposure assessment in regulation of food contaminants by, 169-180

C

Cancer, method of assessing relationship of diet and nutritional status to, 129-150
Caterpillar, envenomation by, 491-502
Catfish. *See* Vertebrates
Centruroides sculpturatus, envenomation by, 417-449
Charcoal. *See* Activated charcoal
Chemicals, new, use of exposure assessment in evaluation of at EPA, 27-38
Childhood poisoning, trends in, 321-331
Coelenterates. *See* Marine invertebrates
Computerized data bases, use of in exposure assessment of drugs, 253-263
Computers, use of activity patterns generated by in determination of exposure to air pollution, 97-128
Consumption, of food contaminants, data sources and methods for estimating, 181-200
Cyanide poisoning, use of stroma-free methemoglobin solution as antidote for, 343-358

D

Dantrolene sodium, use of in treatment of envenomation by Latrodectus species, 487-489
Data sources, for estimating consumption of food contaminants, 181-200
Diagnosis, of Loxosceles envenomation, 457-458
Diet
  method of assessing relationship of to cancer, 129-150
  See also Food contaminants
Drinking water, use of exposure assessment in evaluation of at EPA, 27-38
Drug abuse
  ethchlorvynol, blood concentrations and clinical effects of, 399-408
  propylhexedrine, tissue injuries associated with, 359-372
  See also Heroin overdose
Drugs
  epidemiological approach for exposure assessment of, 237-251
  use of computerized data bases in exposure assessment of, 257-263

E

Echinoderms. See Invertebrates
Envenomation
  by hymenoptera, caterpillar, and beetle, 491-502
  by Latrodectus species, 473-485
    use of dantrolene sodium in treatment of, 487-489
  by marine animals, 527-555
  by miscellaneous animals, 557-560
  by reptiles, 503-526
  by scorpion, 417-449
Environmental pathways, of pollutants, determination of by EPA, 39-63
Environmental pollutants, human exposure to, determination of health risks in, 1-8
Environmental Protection Agency (EPA)
  determination of environmental pathways of pollutants by, 39-63
  use of exposure assessment at, 27-38
Epidemiological research
  in evaluation effects of exposure to asbestos, 211-235
  job exposure matrices for, 9-26
Epidemiology, use of in exposure assessment of drugs, 237-251
Ethchlorvynol, effects of ingestion of, 399-408
Exposure, to air pollution, determination of using computer generated activity patterns, 97-128
Exposure assessment
  of drugs
    epidemiological approach to, 237-251
    use of computerized data bases in, 253-263
  of food contaminants, 151-168
  use of at EPA, 27-38
  use of health and nutrition survey by NCHS in, 299-320
  use of health interview study by NCHS for, 289-297
  uses of mortality data from NCHS in, 265-288
  use of multimedia fate and transport models in, 65-95
  use of in regulation of food contaminants by BF and FDA, 169-180
  See also Job exposure matrices
Exposure data, use of in evaluation of effects of asbestos, 211-235

F

Fate models. See Models, multimedia fate and transport
FDA. See Food and Drug Administration (FDA)

First aid, in reptile envenomation, 513-517
Food and Drug Administration (FDA), use of exposure assessment in regulation of food contaminants by, 169-180
Food contaminants
  data sources and methods for estimating consumption of, 181-200
  exposure assessment of, 151-168
  use of exposure assessments in regulation of by BF and FDA, 169-180
  See also Diet; Nutritional status

G

Gasoline, effects of injection of, 409-412
Governmental agencies. See Bureau of Foods (BF); Environmental Protection Agency (EPA); Food and Drug Administration (FDA); National Center for Health Statistics (NCHS); National Institute for Occupational Safety and Health (NIOSH)

H

Hazard surveillance, by NIOSH, 201-209
Health and nurtition survey, use of in exposure assessment by NCHS, 299-320
Health interview study, use of by NCHS for exposure assessment, 289-297
Health risks, determination of in human exposure to environmental pollutants, 1-8
Heroin overdose, use of physostigmine or naloxone in treatment of, 387-397
Hornets. See Hymenoptera
Human exposure, to environmental pollutants, determination of health risks in, 1-8
Hymenoptera, envenomation by, 491-502

I

Injection, of gasoline, effects of, 409-412
Interviews. See Health interview study

J

Job exposure matrices, for epidemiologic research, 9-26

L

Latrodectus species
  envenomation by, 473-485
    use of dantrolene sodium in treatment of, 487-489
Lizards. See Reptiles
Loxosceles, necrotic arachnidism caused by, 451-472

M

Marine animals, envenomation by, 527-555
  intervebrates, 529-543
  vertebrates, 543-552
Methemoglobin, stroma-free, use of as antidote for cyanide poisoning, 343-358
Miscellaneous animals, envenomations by, 557-560
Models
  multimedia fate and transport, use of for exposure and risk assessment, 65-95
  See also Organic chemicals models; Screening models; Trace metals models
Mollusks. See Marine invertebrates
Mortality data, from NCHS, uses of in exposure assessment, 265-288
Multimedia models. See Models, multimedia fate and transport

N

Naloxone, use of in treatment of heroin overdose, 387-397
National Center for Health Statistics (NCHS)
  use of health and nutrition survey by, in exposure assessment, 299-320
  use of health interview study by for exposure assessment, 289-297
  uses of mortality data from in exposure assessment, 265-288
National Institute for Occupational Safety and Health (NIOSH), hazard surveillance systems of, 201-209
NCHS. *See* National Center for Health Statistics (NCHS)
Necrotic arachnidism, caused by Loxosceles, 451-472
Nefopam hydrochloride, *in vitro* adsorption and *in vivo* toxicity reduction of, by activated charcoal, 333-342
Nervous system, study institute on toxicology of (announcement), 413
NIOSH. *See* National Institute for Occupational Safety and Health (NIOSH)
Nutrition. *See* Health and nutrition survey
Nutritional status
  method of assessing relationship of to cancer, 129-150
  See also Food contaminants

O

Occupational epidemiologic studies. *See* Epidemiological research
Organic chemicals models, 77-86
Oxyuranus microlepidotus, characterization of venom of, 373-385

P

Petroleum distillates. *See* Gasoline
Physostigmine, use of in treatment of heroin overdose, 387-397
Poisoning, childhood. *See* Childhood poisoning
Pollutants
  environmental. *See* Environmental pollutants
  priority, determination of environmental pathways of by EPA, 39-63
Pollution, air. *See* Air pollution
Porifera. *See* Marine invertebrates
Propylhexedrine, tissue injuries associated with parenteral abuse of, 359-372

R

Reptiles, envenomation by, 503-526
Research fellowships (announcements), 414-415
Risk assessment, use of multimedia fate and transport models in, 65-95

S

Scorpaenidae. *See* Marine vertebrates
Scorpion. *See* *Centruroides sculpturatus*
Screening models, 86-92
Sea snakes. *See* Marine vertebrates
Snakes. *See* *Oxyuranus microlepidotus*; Reptiles; Latrodectus species
Spider. *See* Loxosceles
Stingrays. *See* Marine vertebrates
Surface water, use of exposure assessment in evaluation of at EPA, 27-38
Symptoms
  of *Centruroides sculpturatus* envenomation, 424-433

[Symptoms]
  of Loxosceles envenomation, 458-462
  of reptile envenomation, 510-513

T

Tissue injuries, associated with parenteral propylhexedrine abuse, 359-372
Toxicity reduction, _in vivo_, of nefopam hydrochloride by activated charcoal, 333-342
Trace metals models, 69-77
Transport models. _See_ Models, multimedia fate and transport
Treatment
  of _Centruroides sculpturatus_ envenomation, 433-446
  of Latrodectus species envenomation, use of dantrolene sodium in, 487-489
  of Loxosceles envenomation, 462-468
  in reptile envenomation, 517-520
Trends, in childhood poisoning, 321-331

V

Venom
  of _Centruroides sculpturatus_, characteristics and action of, 421-424
  of _Oxyuranus microlepidotus_, characterization of, 373-385
  of Loxosceles, 454-457
  of reptiles, 509-510

W

Wasps. _See_ Hymenoptera
Weeverfish. _See_ Marine vertebrates

Y

Yellow jackets. _See_ Hymenoptera

CLINICAL TOXICOLOGY, 21(4&5), 569-571 (1983-84)

COLLECTIVE CONTENTS TO VOLUME 21

Volume 21, Numbers 1&2, 1983-84

Special Symposium Issue on Exposure Assessment: Problems and Prospects

Preface v

Introduction. vii

Human Exposure to Environmental Pollutants 1
C. Riordan

Job Exposure Matrix Methodology 9
S. Hoar

Exposure Assessment Techniques Used by EPA. 27
J. Falco

Environmental Pathways of Exposure to 129 Priority Pollutants 39
M. Slimak and C. Delos

Multimedia Fate and Transport Models: An Overview 65
K. F. Hedden

Exposure Estimates Based on Computer Generated Activity Patterns 97
W. R. Ott

Assessing Diet in Case-Control Studies of Cancer 129
R. G. Ziegler

Food Intake Assessment in the United States 151
D. J. Wagstaff

Exposure Assessment as a Tool in Regulatory Decisions to Ensure Food Safety 169
G. N. Biddle

Data Sources and Methods for Estimating Consumption of Food Components. 181
E. A. Yetley and E. A. Hanson

NIOSH Occupational Health and Hazard Surveillance Systems 201
T. Frazier

Sources and Interpretation of Asbestos Exposure Data 211
M. Gough

Data Sources and Methods for Ascertaining Human Exposure to Drugs 237
J. K. Jones and D. L. Kennedy

Use of Existing Computerized Data Bases in Drug Exposure Assessment . . . 253
S. W. Van de Carr

Mortality Data from the National Vital Registration System as They Relate to Exposure Assessment 265
H. M. Rosenberg

Household Survey Data 289
R. Wilson

A Role for National Health and Nutrition Examination Surveys in Exposure Assessment 299
R. S. Murphy

Volume 21, Number 3, 1983-84

Trends in Childhood Poisoning: A Collaborative Study 1970, 1975, 1980 321
M. S. McIntire, C. R. Angle, B. R. Ekins, H. Mofenson, A. Rauber, and R. Scherz

Capacity of Two Forms of Activated Charcoal to Adsorb Nefopam *In Vitro* and to Reduce Its Toxicity *In Vivo* 333
P. J. Neuvonen, H. Kannisto, and S. Lankinen

Stroma-Free Methemoglobin Solution as an Antidote for Cyanide Poisoning: A Preliminary Study. 343
R. P. Ten Eyck, A. D. Schaerdel, J. E. Lynett, D. H. Marks, G. A. Patrissi, W. E. Ottinger, and M. J. Stansell

Tissue Injuries Associated with Parenteral Propylhexedrine Abuse 359
H. R. Mancusi-Ungaro, Jr., W. J. Decker, V. R. Forshan, S. J. Blackwell, and S. R. Lewis

Studies on the Venom of *Oxyuranus microlepidotus* 373
J. Morrison, J. Pearn, J. Covacevich, C. Tanner, and A. Coulter

Physostigmine versus Naloxone in Heroin-Overdose 387
J. Rupreht, B. Dworacek, H. Oosthoek, M. R. Dzoljic, and M. Valkenburg

Ethchlorvynol Ingestion: Interpretation of Blood Concentrations and Clinical Findings 399
M. J. Kelner and D. N. Bailey

Gasoline Injection 409
T. R. Layton, K. J. Grant, and E. R. Villella

Announcements 413

Volume 21, Numbers 4&5, 1983-84

Special Issue on Venomous Bites and Stings

Preface v

Envenomation by the Scorpion Centruroides Sculpturatus 417
S. C. Curry, M. V. Vance, P. J. Ryan, D. B. Kunkel, and W. T. Northey

Loxoscelism and Necrotic Arachnidism 451
G. S. Wasserman and P. C. Anderson

Black Widow Spider Bites 473
A. Rauber

Preliminary Report: Experience with the Use of Dantrolene Sodium in the Treatment of Bites by the Black Widow Spider *Latrodectus hesperus* 487
P. J. Ryan

Bites and Stings of Hymenoptera, Caterpillar and Beetle 491
V. A. Green and C. J. Siegel

Reptile Envenomations. 503
D. B. Kunkel, S. C. Curry, M. V. Vance, and P. J. Ryan

Marine Envenomations. 527
K. W. Kizer

Editorial Comment 557

Author Index to Volume 21 561

Subject Index to Volume 21 563